SEQUENCE LISTING

SEQ ID NO: 1 is murine mAb 1021 Light Chain nucleic acid sequence.
SEQ ID NO: 2 is murine mAb 1021 Light Chain amino acid sequence.
5   SEQ ID NO: 3 is murine mAb 1021 Heavy Chain nucleic acid sequence.
SEQ ID NO: 4 is murine mAb 1021 Heavy Chain amino acid sequence.
SEQ ID NO: 5 is murine mAb 2471 Light Chain nucleic acid sequence.
SEQ ID NO: 6 is murine mAb 2471 Light Chain amino acid sequence.
SEQ ID NO: 7 is murine mAb 2471 Heavy Chain nucleic acid sequence.
10   SEQ ID NO: 8 is murine mAb 2471 Heavy Chain amino acid sequence.
SEQ ID NO: 9 is murine mAb 3821 Light Chain nucleic acid sequence.
SEQ ID NO: 10 is murine mAb 3821 Light Chain amino acid sequence.
SEQ ID NO: 11 is murine mAb 3821 Heavy Chain nucleic acid sequence.
SEQ ID NO: 12 is murine mAb 3821 Heavy Chain amino acid sequence.
15   SEQ ID NO: 13 is murine mAb 1021 Heavy Chain CDR1 amino acid sequence.
SEQ ID NO: 14 is murine mAb 1021 Heavy Chain CDR2 amino acid sequence.
SEQ ID NO: 15 is murine mAb 1021 Heavy Chain CDR3 amino acid sequence.
SEQ ID NO: 16 is murine mAb 2471 Heavy Chain CDR1 amino acid sequence.
SEQ ID NO: 17 is murine mAb 2471 Heavy Chain CDR2 amino acid sequence.
20   SEQ ID NO: 18 is murine mAb 2471 Heavy Chain CDR3 amino acid sequence.
SEQ ID NO: 19 is murine mAb 3821 Heavy Chain CDR1 amino acid sequence.
SEQ ID NO: 20 is murine mAb 3821 Heavy Chain CDR2 amino acid sequence.
SEQ ID NO: 21 is murine mAb 3821 Heavy Chain CDR3 amino acid sequence.
SEQ ID NO: 22 is murine mAb 1021 Light Chain CDR1 amino acid sequence.
25   SEQ ID NO: 23 is murine mAb 1021 Light Chain CDR2 amino acid sequence.
SEQ ID NO: 24 is murine mAb 1021 Light Chain CDR3 amino acid sequence.
SEQ ID NO: 25 is murine mAb 2471 Light Chain CDR1 amino acid sequence.
SEQ ID NO: 26 is murine mAb 2471 Light Chain CDR2 amino acid sequence.
SEQ ID NO: 27 is murine mAb 2471 Light Chain CDR3 amino acid sequence.
30   SEQ ID NO: 28 is murine mAb 3821 Light Chain CDR1 amino acid sequence.
SEQ ID NO: 29 is murine mAb 3821 Light Chain CDR2 amino acid sequence.
SEQ ID NO: 30 is murine mAb 3821 Light Chain CDR3 amino acid sequence.

X16230.ST25.txt
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<110> Eli Lilly and Company

<120> Binding Compositions; related reagents

<130> X16230

<150> 60/485,820
<151> 2004-07-09

<160> 30

<170> PatentIn version 3.2

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            20   25   30

Ala Ser Pro Gly Glu Lys Val Thr Met Thr Cys Arg Ala Ser Ser Ser
        35   40   45

Val Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Ser Ser Pro Lys
    50   55   60

X16230.ST25.txt

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Pro Trp Ile Tyr Ala Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg
65                  70                  75                  80

Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Arg
                85                  90                  95

Val Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Asn Gly
                100                 105                 110

Asn Pro Pro Ala Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala
            115                 120                 125

Asp Ala Ala Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu Gln Leu
        130                 135                 140

Thr Ser Gly Gly Ala Ser Val Val Cys Phe Leu Asn Asn Phe Tyr Pro
145                 150                 155                 160

Lys Asp Ile Asn Val Lys Trp Lys Ile Asp Gly Ser Glu Arg Gln Asn
                165                 170                 175

Gly Val Leu Asn Ser Trp Thr Asp Gln Asp Ser Lys Asp Ser Thr Tyr
            180                 185                 190

Ser Met Ser Ser Thr Leu Thr Leu Thr Lys Asp Glu Tyr Glu Arg His
        195                 200                 205

Asn Ser Tyr Thr Cys Glu Ala Thr His Lys Thr Ser Thr Ser Pro Ile
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Val Lys Ser Phe Asn Arg Asn Glu Cys
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X16230.ST25.txt

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            20   25   30

Pro Gly Ala Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe
        35   40   45

Thr Asp Tyr Asn Met His Trp Val Lys Gln Ser His Gly Lys Ser Leu
    50   55   60

Glu Trp Leu Gly Tyr Ile Tyr Pro Tyr Asn Gly Asp Thr Gly Tyr Asn
65   70   75   80

Gln Lys Phe Lys Ser Lys Ala Thr Leu Thr Val Asp Asn Ser Ser Ser
                85   90   95

Thr Ala Tyr Met Glu Leu Arg Ser Leu Thr Ser Glu Asp Ser Ala Val
            100   105   110

X16230.ST25.txt

Tyr Tyr Cys Val Arg Gly Tyr Tyr Trp Phe Ala Tyr Trp Gly Arg Gly
        115   120   125

Thr Leu Val Thr Val Ser Thr Ala Lys Thr Thr Pro Pro Ser Val Tyr
    130   135   140

Pro Leu Ala Pro Gly Ser Ala Ala Gln Thr Asn Ser Met Val Thr Leu
145   150   155   160

Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro Val Thr Val Thr Trp
                165   170   175

Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr Phe Pro Ala Val Leu
            180   185   190

Gln Ser Asp Leu Tyr Thr Leu Ser Ser Val Thr Val Pro Ser Ser
        195   200   205

Thr Trp Pro Ser Glu Thr Val Thr Cys Asn Val Ala His Pro Ala Ser
    210   215   220

Ser Thr Lys Val Asp Lys Lys Ile Val Pro Arg Asp Cys Gly Cys Lys
225   230   235   240

Pro Cys Ile Cys Thr Val Pro Glu Val Ser Ser Val Phe Ile Phe Pro
                245   250   255

Pro Lys Pro Lys Asp Val Leu Thr Ile Thr Leu Thr Pro Lys Val Thr
            260   265   270

Cys Val Val Val Asp Ile Ser Lys Asp Asp Pro Glu Val Gln Phe Ser
        275   280   285

Trp Phe Val Asp Asp Val Glu Val His Thr Ala Gln Thr Gln Pro Arg
    290   295   300

Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser Val Ser Glu Leu Pro Ile
305   310   315   320

Met His Gln Asp Trp Leu Asn Gly Lys Glu Phe Lys Cys Arg Val Asn
                325   330   335

Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr Lys
            340   345   350

Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr Ile Pro Pro Pro Lys Glu
        355   360   365

Gln Met Ala Lys Asp Lys Val Ser Leu Thr Cys Met Ile Thr Asp Phe
370   375   380

Page 4

X16230.ST25.txt

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Phe Pro Glu Asp Ile Thr Val Glu Trp Gln Trp Asn Gly Gln Pro Ala
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Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met Asp Thr Asp Gly Ser Tyr
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Phe Val Tyr Ser Lys Leu Asn Val Gln Lys Ser Asn Trp Glu Ala Gly
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gatgctgcca cttattactg ccagcagtgg gatagtaacc cacccgcgtt cggtggaggc   360
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            20              25              30
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X16230.ST25.txt

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Ala Ser Pro Gly Glu Lys Val Thr Met Thr Cys Arg Ala Ser Ser Ser
        35                  40              45

Val Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Ser Ser Pro Lys
    50              55                  60

Pro Trp Ile Tyr Ala Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg
65              70                  75                  80

Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Arg
                85                  90                  95

Val Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Asp Ser
            100                 105                 110

Asn Pro Pro Ala Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala
        115                 120                 125

Asp Ala Ala Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu Gln Leu
    130                 135                 140

Thr Ser Gly Gly Ala Ser Val Val Cys Phe Leu Asn Asn Phe Tyr Pro
145                 150                 155                 160

Lys Asp Ile Asn Val Lys Trp Lys Ile Asp Gly Ser Glu Arg Gln Asn
                165                 170                 175

Gly Val Leu Asn Ser Trp Thr Asp Gln Asp Ser Lys Asp Ser Thr Tyr
            180                 185                 190

Ser Met Ser Ser Thr Leu Thr Leu Thr Lys Asp Glu Tyr Glu Arg His
        195                 200                 205

Asn Ser Tyr Thr Cys Glu Ala Thr His Lys Thr Ser Thr Ser Pro Ile
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Val Lys Ser Phe Asn Arg Asn Glu Cys
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aaccagaagt tcaagagcaa ggccacattg actgtagaca attcctccag cacagcctat       300
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Page 6

X16230.ST25.txt

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cccccatctg tctatccact ggcccctgga tctgctgccc aaactaactc catggtgacc   480

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            20                  25                  30


Lys Pro Gly Ala Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr
        35                  40                  45


Phe Thr Asp Tyr Asn Met His Trp Val Lys Gln Ser His Gly Lys Ser
    50                  55                  60


Leu Glu Trp Leu Gly Tyr Ile Tyr Pro Tyr Asn Gly Asp Thr Gly Tyr
65                  70                  75                  80


Asn Gln Lys Phe Lys Ser Lys Ala Thr Leu Thr Val Asp Asn Ser Ser
                85                  90                  95
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X16230.ST25.txt

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            100   105   110

Val Tyr Tyr Cys Val Arg Gly Tyr Tyr Trp Phe Ala Tyr Trp Gly Gln
        115   120   125

Gly Thr Leu Val Thr Val Ser Thr Ala Lys Thr Thr Pro Pro Ser Val
    130   135   140

Tyr Pro Leu Ala Pro Gly Ser Ala Ala Gln Thr Asn Ser Met Val Thr
145   150   155   160

Leu Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro Val Thr Val Thr
            165   170   175

Trp Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr Phe Pro Ala Val
            180   185   190

Leu Gln Ser Asp Leu Tyr Thr Leu Ser Ser Ser Val Thr Val Pro Ser
    195   200   205

Ser Thr Trp Pro Ser Glu Thr Val Thr Cys Asn Val Ala His Pro Ala
    210   215   220

Ser Ser Thr Lys Val Asp Lys Lys Ile Val Pro Arg Asp Cys Gly Cys
225   230   235   240

Lys Pro Cys Ile Cys Thr Val Pro Glu Val Ser Ser Val Phe Ile Phe
            245   250   255

Pro Pro Lys Pro Lys Asp Val Leu Thr Ile Thr Leu Thr Pro Lys Val
            260   265   270

Thr Cys Val Val Val Asp Ile Ser Lys Asp Asp Pro Glu Val Gln Phe
        275   280   285

Ser Trp Phe Val Asp Asp Val Glu Val His Thr Ala Gln Thr Gln Pro
    290   295   300

Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser Val Ser Glu Leu Pro
305   310   315   320

Ile Met His Gln Asp Trp Leu Asn Gly Lys Glu Phe Lys Cys Arg Val
            325   330   335

Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr
            340   345   350

Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr Ile Pro Pro Pro Lys
                            Page 8

X16230.ST25.txt

        355   360   365

Glu Gln Met Ala Lys Asp Lys Val Ser Leu Thr Cys Met Ile Thr Asp
        370   375   380

Phe Phe Pro Glu Asp Ile Thr Val Glu Trp Gln Trp Asn Gly Gln Pro
385   390   395   400

Ala Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met Asp Thr Asp Gly Ser
                405   410   415

Tyr Phe Val Tyr Ser Lys Leu Asn Val Gln Lys Ser Asn Trp Glu Ala
                420   425   430

Gly Asn Thr Phe Thr Cys Ser Val Leu His Glu Gly Leu His Asn His
            435   440   445

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gaagattttg tagactatta ctgtctacaa tatgctagtt ctccgtacac gtttggaggg   360

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1   5   10   15

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X16230.ST25.txt

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Ala Ser Leu Gly Glu Arg Val Ser Leu Thr Cys Arg Ala Ser Gln Glu
        35              40              45

Ile Ser Gly Tyr Leu Ser Trp Leu Gln Gln Lys Pro Asp Gly Thr Ile
        50              55              60

Lys Arg Leu Ile Tyr Ala Thr Ser Ser Leu Asp Ser Gly Val Pro Lys
65              70              75              80

Arg Phe Ser Gly Ser Arg Ser Gly Ser Asp Tyr Ser Leu Thr Ile Ser
                85              90              95

Ser Pro Glu Ser Glu Asp Phe Val Asp Tyr Tyr Cys Leu Gln Tyr Ala
            100             105             110

Ser Ser Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
        115             120             125

Ala Asp Ala Ala Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu Gln
    130             135             140

Leu Thr Ser Gly Gly Ala Ser Val Val Cys Phe Leu Asn Asn Phe Tyr
145             150             155             160

Pro Lys Asp Ile Asn Val Lys Trp Lys Ile Asp Gly Ser Glu Arg Gln
                165             170             175

Asn Gly Val Leu Asn Ser Trp Thr Asp Arg Asp Ser Lys Asp Ser Thr
            180             185             190

Tyr Ser Met Ser Ser Thr Leu Thr Leu Thr Lys Asp Glu Tyr Glu Arg
        195             200             205

His Asn Ser Tyr Thr Cys Glu Ala Thr His Lys Thr Ser Thr Ser Pro
    210             215             220

Ile Val Lys Ser Phe Asn Arg Asn Glu Cys
225             230
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X16230.ST25.txt

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atggaacttg ccagactgac atctgatgat tctgccatct attactgtac aagggggggga   360

ttacgacgcg gacccccttt tgcttactgg ggccaaggga ctctggtcac tgtctctgca    420

gccaaaacga cacccccatc tgtctatcca ctggcccctg gatctgctgc ccaaactaac    480

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<213> mus sp.

<400> 12

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Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1               5                   10                  15

Gly Ser Thr Gly Glu Val Gln Leu Gln Gln Ser Gly Ala Ala Leu Met
                20                  25                  30

Arg Pro Gly Val Ser Val Lys Ile Ser Cys Lys Gly Ser Gly Tyr Thr
                35                  40                  45

Phe Thr Asp Tyr Thr Met His Trp Val Lys Gln Ser His Ala Lys Ser
        50                  55                  60
```

X16230.ST25.txt

Leu Glu Trp Ile Gly Leu Ile Thr Pro Phe Tyr Gly Asp Ala Ile Tyr
65   70   75   80

Asn Gln Lys Phe Lys Gly Lys Ala Thr Met Thr Val Asp Lys Ser Ser
            85   90   95

Ser Thr Ala Tyr Met Glu Leu Ala Arg Leu Thr Ser Asp Asp Ser Ala
        100   105   110

Ile Tyr Tyr Cys Thr Arg Gly Gly Leu Arg Arg Gly Pro Pro Phe Ala
        115   120   125

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ala Ala Lys Thr Thr
        130   135   140

Pro Pro Ser Val Tyr Pro Leu Ala Pro Gly Ser Ala Ala Gln Thr Asn
145   150   155   160

Ser Met Val Thr Leu Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro
            165   170   175

Val Thr Val Thr Trp Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr
        180   185   190

Phe Pro Ala Val Leu Gln Ser Asp Leu Tyr Thr Leu Ser Ser Ser Val
        195   200   205

Thr Val Pro Ser Ser Thr Trp Pro Ser Glu Thr Val Thr Cys Asn Val
    210   215   220

Ala His Pro Ala Ser Ser Thr Lys Val Asp Lys Lys Ile Val Pro Arg
225   230   235   240

Asp Cys Gly Cys Lys Pro Cys Ile Cys Thr Val Pro Glu Val Ser Ser
            245   250   255

Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Thr Ile Thr Leu
            260   265   270

Thr Pro Lys Val Thr Cys Val Val Val Asp Ile Ser Lys Asp Asp Pro
            275   280   285

Glu Val Gln Phe Ser Trp Phe Val Asp Asp Val Glu Val His Thr Ala
    290   295   300

Gln Thr Gln Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser Val
305   310   315   320

Ser Glu Leu Pro Ile Met His Gln Asp Trp Leu Asn Gly Lys Glu Phe
                            Page 12

```
                                    X16230.ST25.txt
                325                      330                    335

      Lys Cys Arg Val Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys Thr
              340                  345                  350

      Ile Ser Lys Thr Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr Ile
              355                  360                  365

      Pro Pro Pro Lys Glu Gln Met Ala Lys Asp Lys Val Ser Leu Thr Cys
          370                  375                  380

      Met Ile Thr Asp Phe Phe Pro Glu Asp Ile Thr Val Glu Trp Gln Trp
      385                  390                  395                  400

      Asn Gly Gln Pro Ala Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met Asp
                      405                  410                  415

      Thr Asp Gly Ser Tyr Phe Val Tyr Ser Lys Leu Asn Val Gln Lys Ser
                      420                  425                  430

      Asn Trp Glu Ala Gly Asn Thr Phe Thr Cys Ser Val Leu His Glu Gly
              435                  440                  445

      Leu His Asn His His Thr Glu Lys Ser Leu Ser His Ser Pro Gly Lys
          450                  455                  460

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      <212>  PRT
      <213>  mus sp.

      <400>  13

      Gly Tyr Thr Phe Thr Asp Tyr Asn Met His
      1              5                   10

      <210>  14
      <211>  17
      <212>  PRT
      <213>  mus sp.

      <400>  14

      Tyr Ile Tyr Pro Tyr Asn Gly Asp Thr Gly Tyr Asn Gln Lys Phe Lys
      1              5                   10                  15

      Ser

      <210>  15
      <211>  7
      <212>  PRT
      <213>  mus sp.

      <400>  15
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X16230.ST25.txt

Gly Tyr Tyr Trp Phe Ala Tyr
1   5

<210>   16
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<212>   PRT
<213>   mus sp.

<400>   16

Gly Tyr Thr Phe Thr Asp Tyr Asn Met His
1   5   10

<210>   17
<211>   17
<212>   PRT
<213>   mus sp.

<400>   17

Tyr Ile Tyr Pro Tyr Asn Gly Asp Thr Gly Tyr Asn Gln Lys Phe Lys
1   5   10   15

Ser

<210>   18
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<212>   PRT
<213>   mus sp.

<400>   18

Gly Tyr Tyr Trp Phe Ala Tyr
1   5

<210>   19
<211>   10
<212>   PRT
<213>   mus sp.

<400>   19

Gly Tyr Thr Phe Thr Asp Tyr Thr Met His
1   5   10

<210>   20
<211>   17
<212>   PRT
<213>   mus sp.

<400>   20

Leu Ile Thr Pro Phe Tyr Gly Asp Ala Ile Tyr Asn Gln Lys Phe Lys
1   5   10   15

Gly

X16230.ST25.txt

```
<210>   21
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<212>   PRT
<213>   mus sp.

<400>   21

Gly Gly Leu Arg Arg Gly Pro Pro Phe Ala Tyr
1               5               10


<210>   22
<211>   10
<212>   PRT
<213>   mus sp.

<400>   22

Arg Ala Ser Ser Ser Val Ser Tyr Met His
1               5               10


<210>   23
<211>   7
<212>   PRT
<213>   mus sp.

<400>   23

Ala Thr Ser Asn Leu Ala Ser
1               5


<210>   24
<211>   9
<212>   PRT
<213>   mus sp.

<400>   24

Gln Gln Trp Asn Gly Asn Pro Pro Ala
1               5


<210>   25
<211>   10
<212>   PRT
<213>   mus sp.

<400>   25

Arg Ala Ser Ser Ser Val Ser Tyr Met His
1               5               10


<210>   26
<211>   7
<212>   PRT
<213>   mus sp.

<400>   26

Ala Thr Ser Asn Leu Ala Ser
1               5
```

X16230.ST25.txt

```
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<212>   PRT
<213>   mus sp.

<400>   27

Gln Gln Trp Asp Ser Asn Pro Pro Ala
1               5


<210>   28
<211>   11
<212>   PRT
<213>   mus sp.

<400>   28

Arg Ala Ser Gln Glu Ile Ser Gly Tyr Leu Ser
1               5                   10


<210>   29
<211>   7
<212>   PRT
<213>   mus sp.

<400>   29

Ala Thr Ser Ser Leu Asp Ser
1               5


<210>   30
<211>   9
<212>   PRT
<213>   mus sp.

<400>   30

Leu Gln Tyr Ala Ser Ser Pro Tyr Thr
1               5
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